

METHOD OF FABRICATING HONEYCOMB BODY AND DRYING SYSTEM

5

ABSTRACT OF THE DISCLOSURE

10 A method of fabricating at least a honeycomb body
and a drying system are disclosed, in which a plurality
of honeycomb bodies each having a multiplicity of cells
arranged in the shape of a honeycomb and having a wall
thickness of 0.125 mm or less can be dried without
developing any cracking, wrinkling, etc. in the outer
peripheral skin portion of the mold. A plurality of
15 extrusion-molded argillaceous honeycomb bodies are dried
in such a manner that each honeycomb body is placed on a
corresponding conveyance tray of porous ceramics having a
dielectric loss of 0.1 or less, a porosity of 10 % or
more and a sectional open area ratio of 50 % or more is
20 exposed to a high-humidity ambience of 70 % or higher in
humidity while at the same time being irradiated with
microwaves of 1,000 to 10,000 MHz. As an alternative, a
plurality of extrusion-molded argillaceous honeycomb
bodies are dried by being exposed to a high-humidity
25 ambience of 70 % or more while at the same time being
irradiated with microwaves of 1,000 to 10,000 MHz, after
which hot air is applied to the honeycomb bodies in such
a manner as to pass through the cells thereof.

10045085 01502